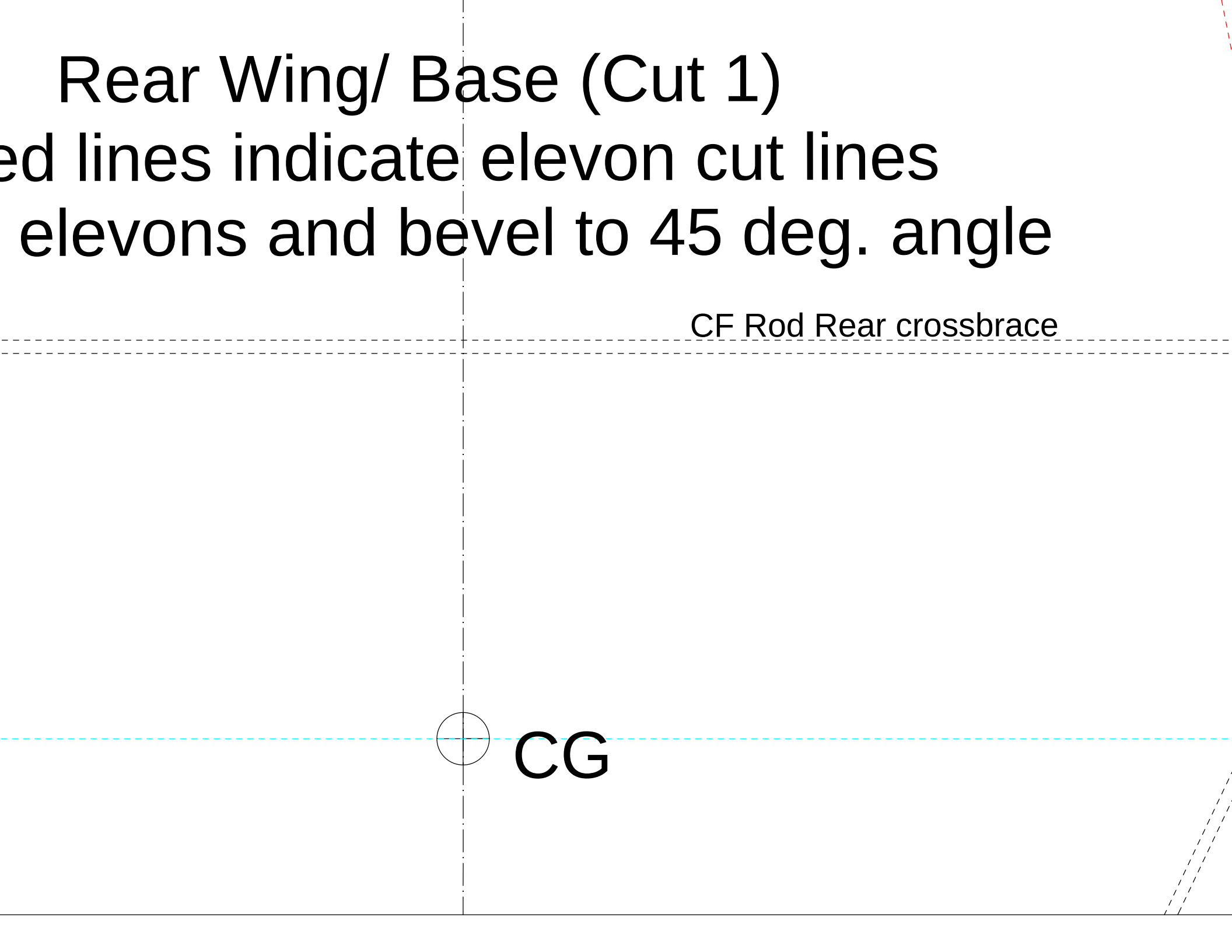
CF Rod cutout slot

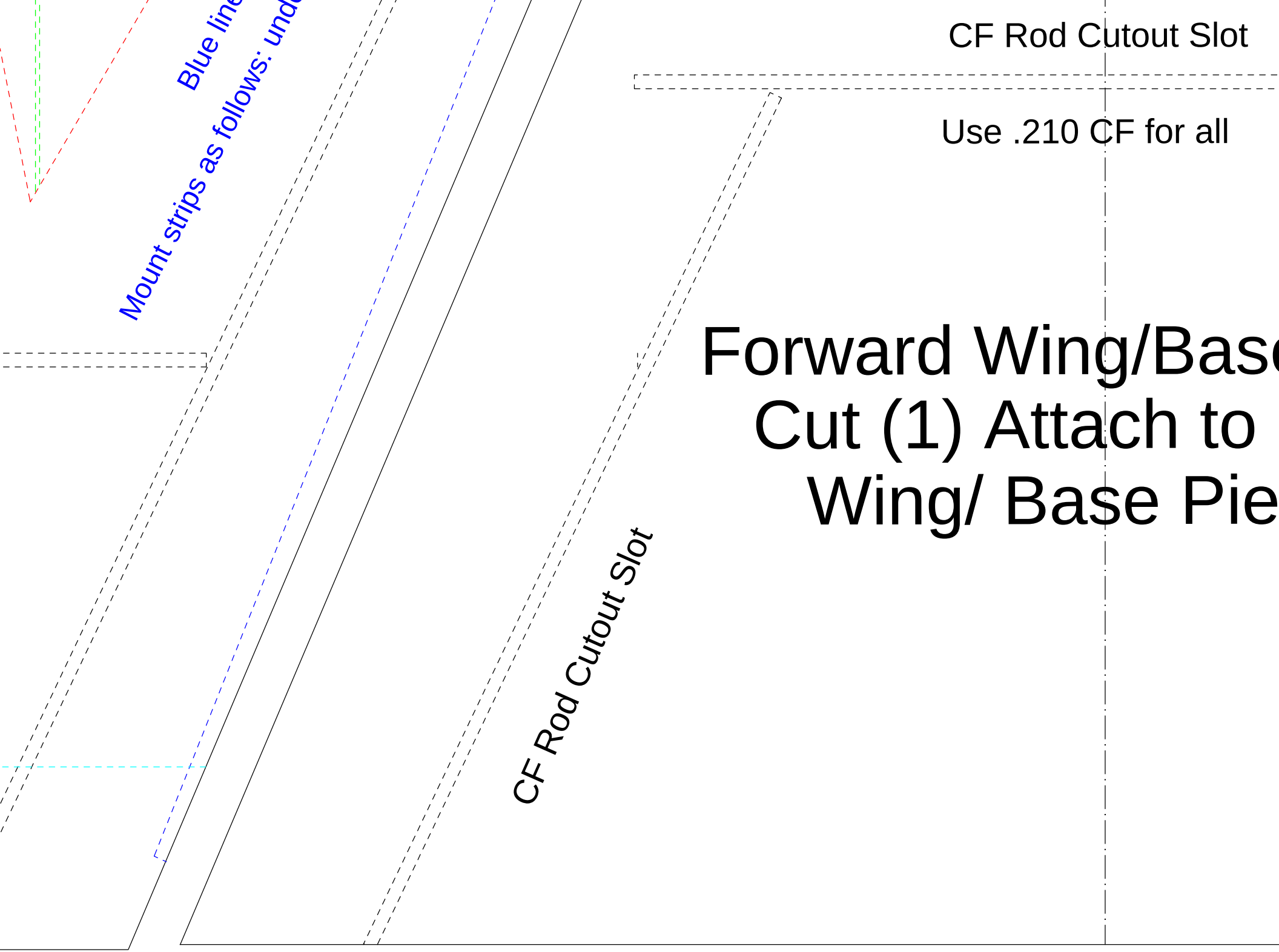
Hand-launch Grip Cut (3) and laminate
Attach to centerline center on CG point

Exhaust Duct side piece
Cut (2)

Cut notch near end to pass servo connector thru

Re
Cut


Rear Wing/ Base (Cut 1)
ed lines indicate elevon cut lines
elevons and bevel to 45 deg. angle
CF Rod Rear crossbrace
CG


Blue line
Mount strips as follows: und
CF Rod Cutout Slot
Use .210 CF for all
Forward Wing/Base
Cut (1) Attach to
Wing/ Base Pie
CF Rod Cutout Slot

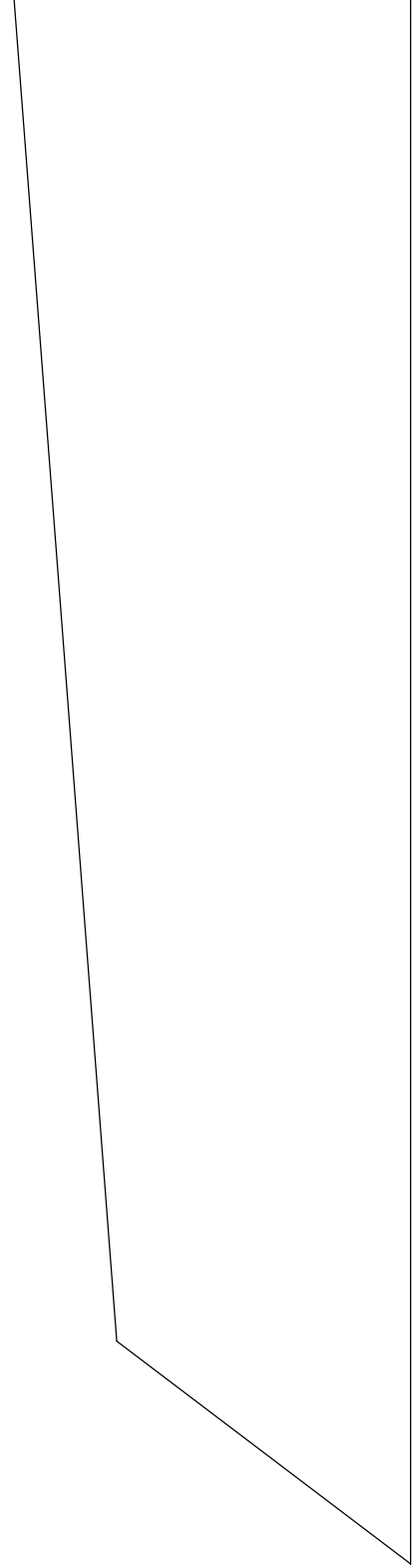
e Piece
Rear
ce

Cockpit front Cut (1)

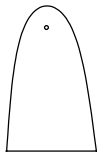
Vertical Tail Template
Place between tails
until glue dries

Cut at approx. 60 deg. for tails (no need to be exact)

rust center keystone cut (1)



Control Horns



Cut (2) from 1/32 ply or polycarbon plastic

top

Intake bottom piece Cut (2)

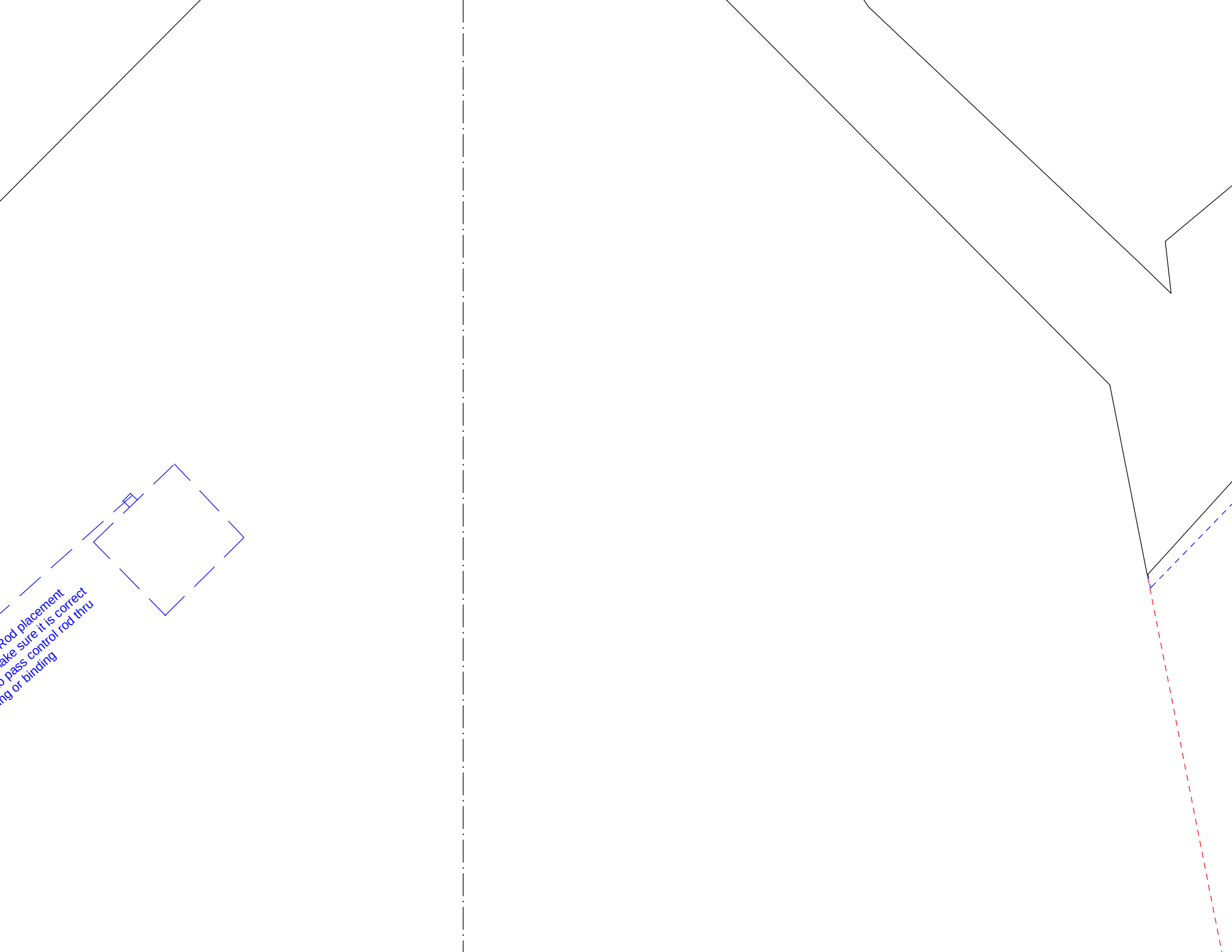
inside edge

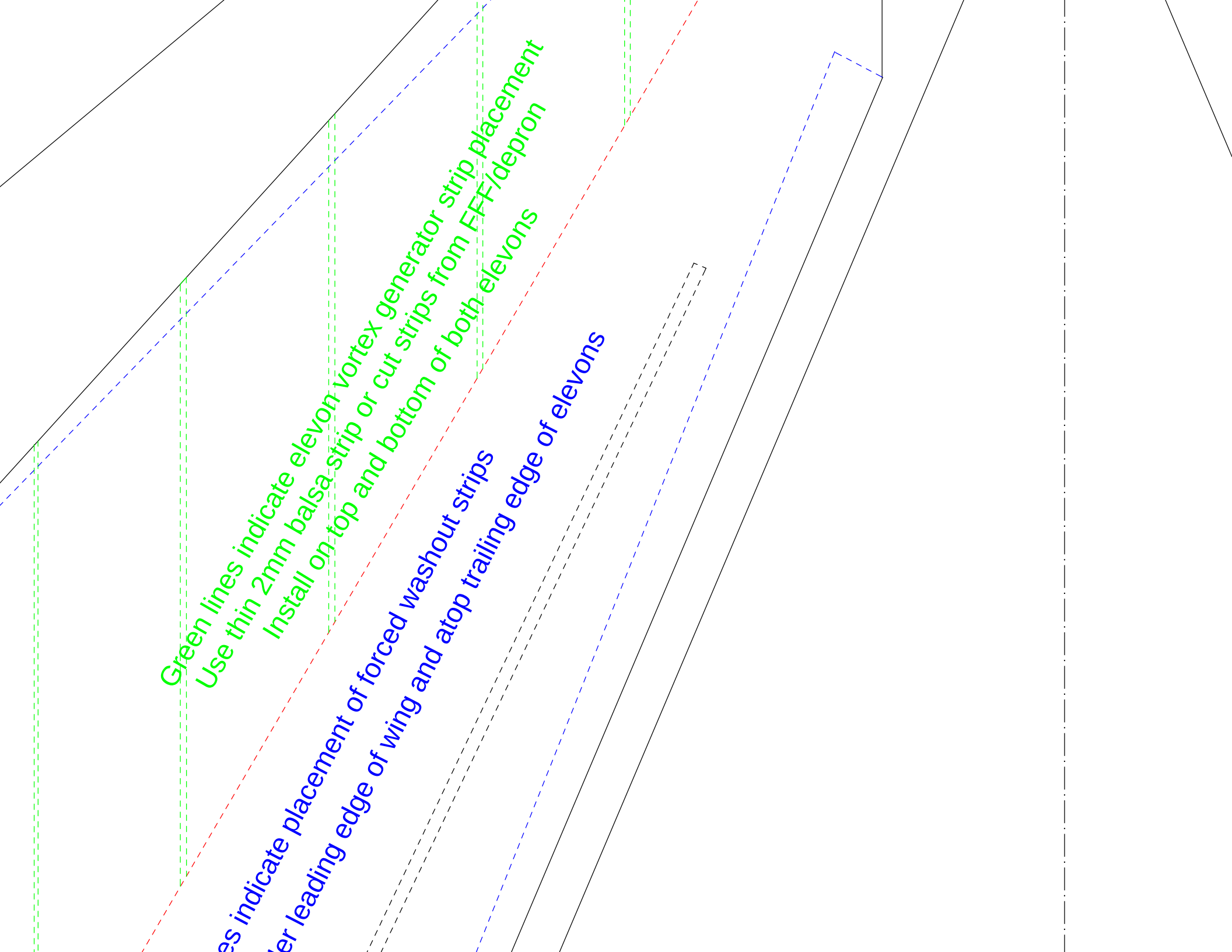
bottom

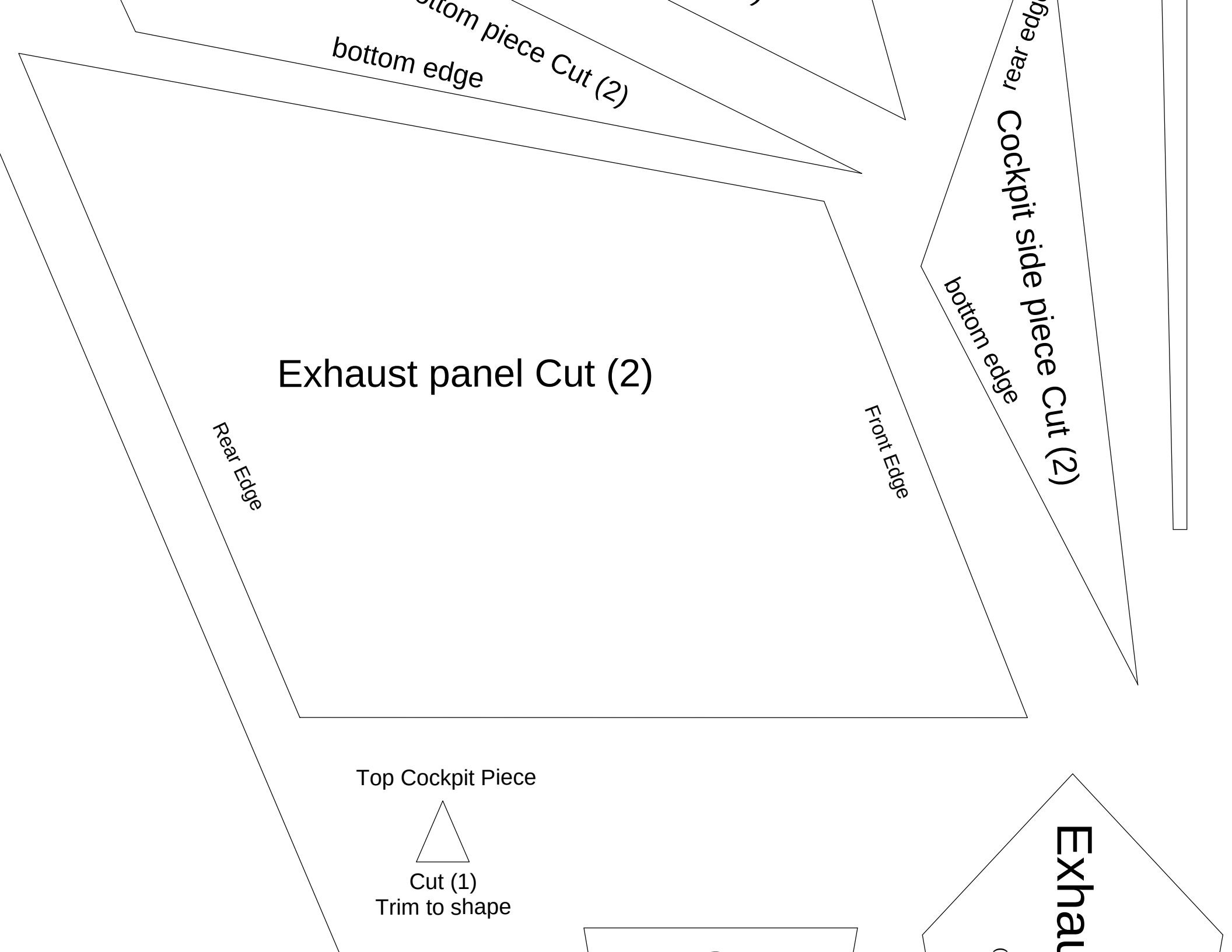
Lower cockpit side piece
Cut (2)

Bottom side

Approximate Servo/Control F
Double check angles to m
Cut notch in Fuselage to
Double check no flexi


Rod placement
ake sure it is correct
o pass control rod thru
ng or binding

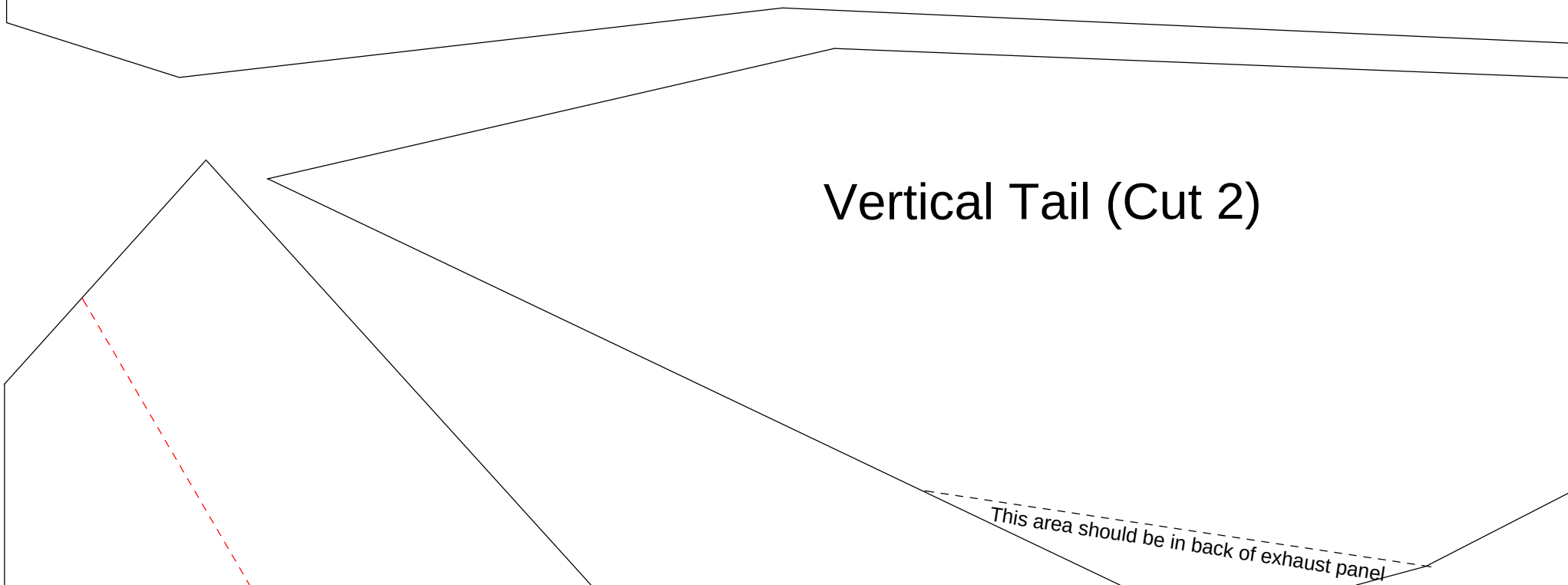

Green lines indicate elevon vortex generator strip placement
Use thin 2mm balsa strip or cut strips from FFF/depron
Install on top and bottom of both elevons
es indicate placement of forced washout strips
er leading edge of wing and atop trailing edge of elevons


bottom edge
bottom piece Cut (2)
rear edge
Cockpit side piece Cut (2)
bottom edge
Exhaust panel Cut (2)
Rear Edge
Front Edge
Top Cockpit Piece
Cut (1)
Trim to shape
Exhaust

(1) 3/8 hardwood stick for motor mount.

Keep in mind...any angle variation from my build will result in a differe
Also, try to minimize curving of fuselage base piece during fuse const

9. When placing magnets, space them evenly
along the edges of the Fuselage Base piece.
Use more magnets at the front and rear, and remember to
avoid placing magnets where the CF spars are. My advice is to
mount the magnets to the fuselage base piece before building the fuselag
then press the fuselage base piece against the wing/base piece to make



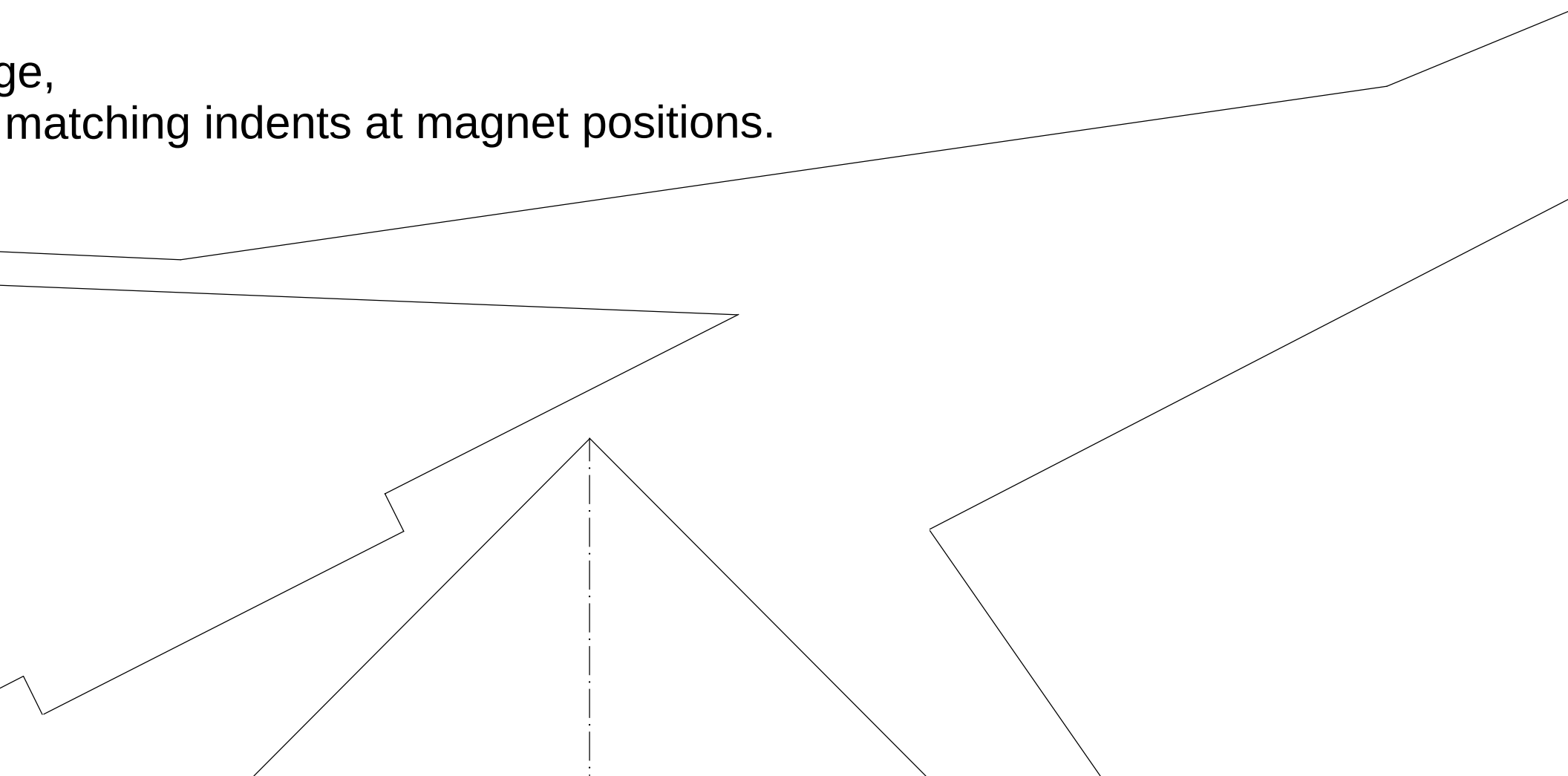
or that step...depending on placement of parts, adjustments may need to be m

ent result for you. Keep in mind these plans are BETA only.

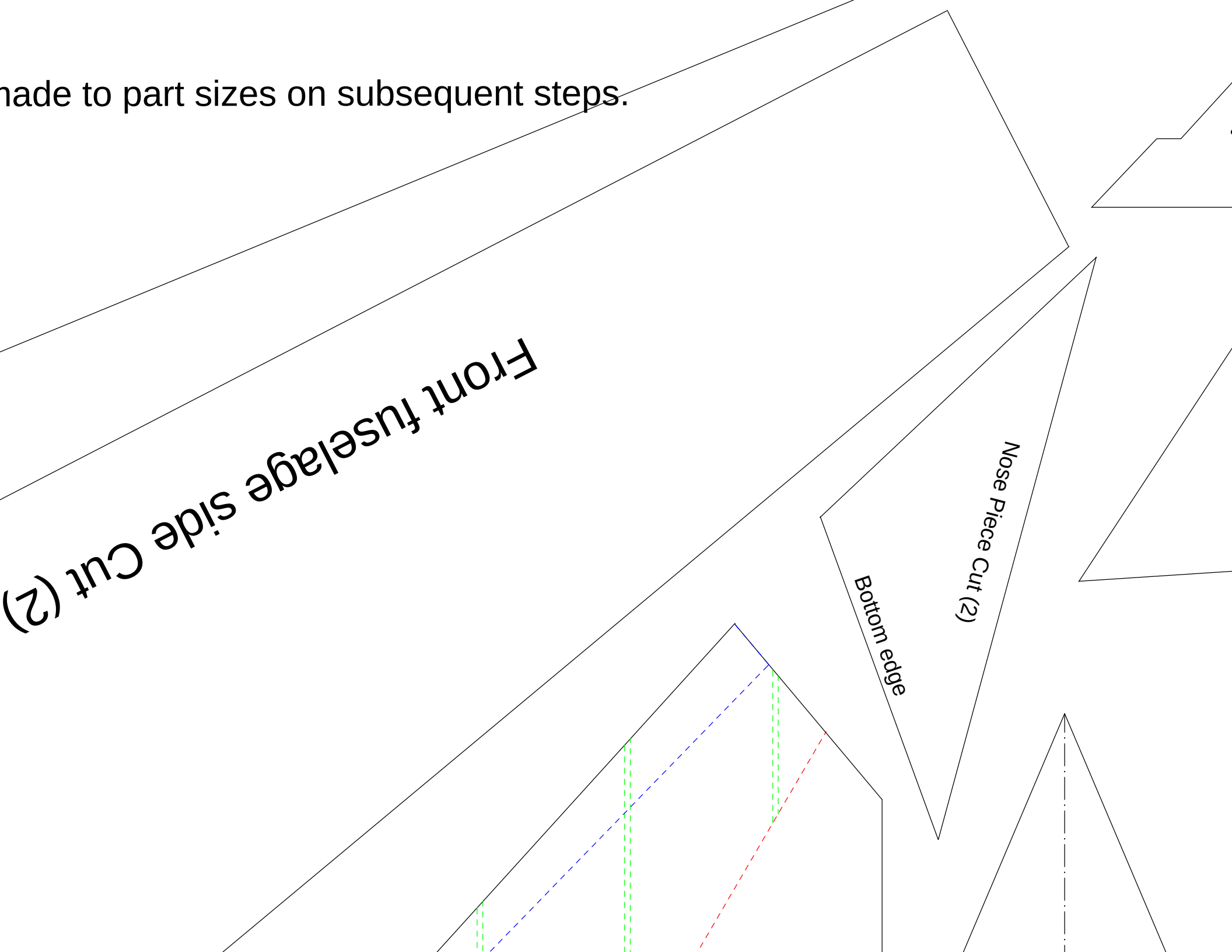
ruction, but a little curvature won't hurt the flight characteristics.

ge,

matching indents at magnet positions.



nade to part sizes on subsequent steps.



front edge

Intake side piece (Cut 2)

outer edge

front edge

Intake Top Piece Cut (2)

Top edge

Intake to exhaust transition top piece cut (2)

Rear edge

Intake to exhaust transition bott

front edge

forced washout strip Cut (2) and mount atop trailing edg

forced washout strip Cut (2) and mount under leading ed

Internal spine /motor mount piece C

General Tips

1. All fuselage pieces need to be beveled at varying degrees for proper fit.
2. I recommend using UHU Creativ glue for joining fuselage pieces for flexibility.
3. Start with 1/2 inch up and down deflection on elevons and adjust to your flying
4. If possible, use exponential on radio mixing to soften control throws.
5. Have fun! Any questions please email me at dcobra_98@yahoo.com or visit d
6. CG measurement on 100% scale is 52cm along centerline from nose tip
7. Materials needed /recommended:
   2-3 sheets depron/FFF/sturdyboard
   1/32 lite ply for control horns
   Polyurethane glue, foam safe CA, UHU Creativ Glue
   Thin balsa strips (1/32 I think)
   (2) Servos I used Hitec HS-55's
   (1) Brushless motor/ESC/Prop - I used HET Typhoon 15/10, EFlite 20 a
   (1) Reciever - I used Hitec Electron 6. Minimum Rx would be 4 channel

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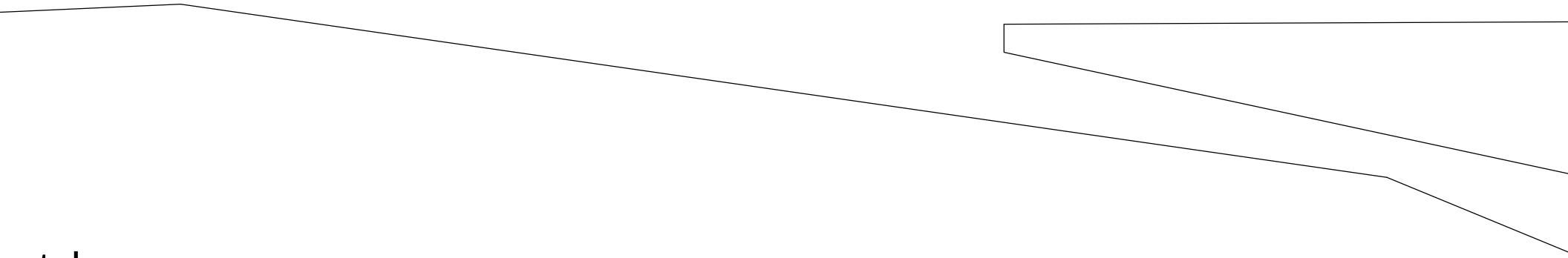
   (3) 61mm .210 CF rods or equivalent length
   Scotch Satin tape for elevon hinges, tape over CF rods
   (124) 1/8 x 1/16 N48 Neodymium disc magnets (doubled-up) or approxir



g style.

discussion thread at http://www.rcgroups.com/forums/showthread.php?t=481872

p, or 56cm along wing leading edge from nose tip.

mp ESC, and APC 8x6 SF prop

and Transmitter needs to be capable of elevon or V-Tail mixing

Fusela

mately (62) 1/4 x 1/16 magnets.

Top Spinal Piece Cut (2)

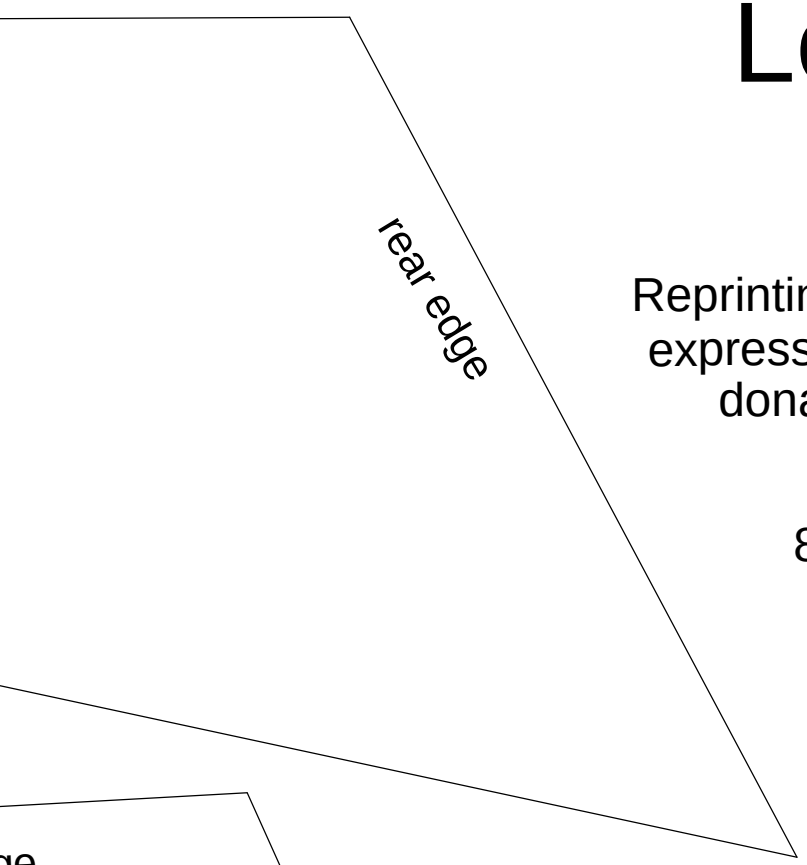
top edg

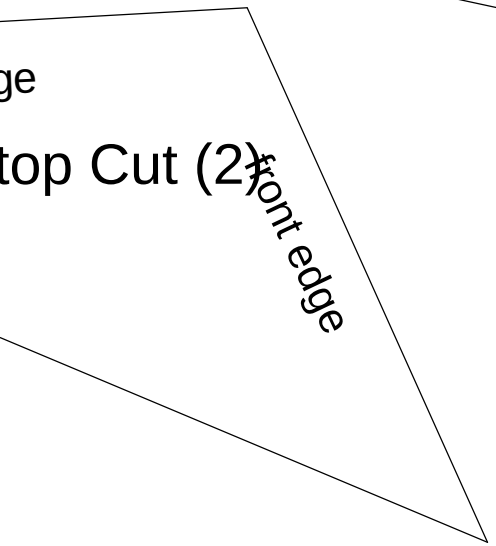
Aft Intake f

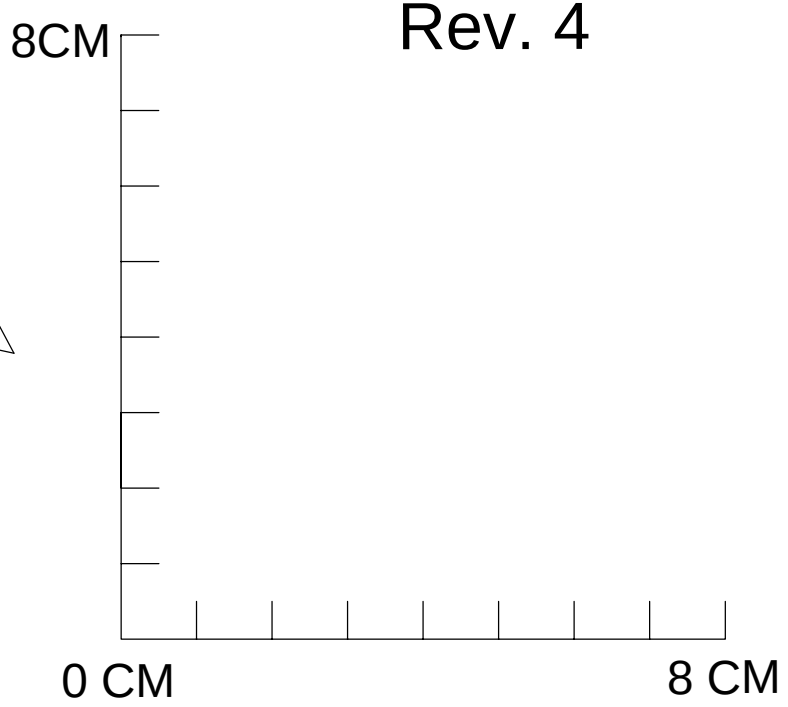
age Base Piece (Cut 1)

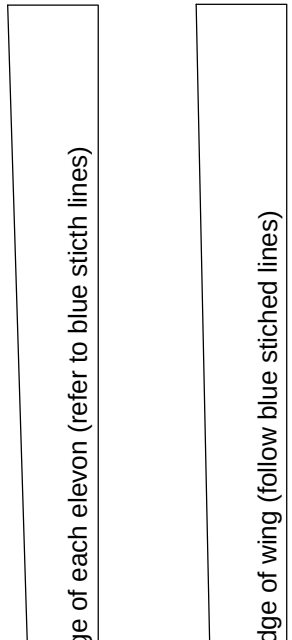
Lockheed-Martin F-117A Nighthawk

Rev. 4









Cut (3) and laminate

Cut stick to length for motor setup used

Cutout for motor mount stick

Cut away corner after motor mount glue dries for better appearance